
10552R (March 2002)

Superseding

STAR-10522R (June 2001)

RST-10522 (08/00)

GUIDE SPECIFICATION FOR CONSTRUCTION

Specification revised to meet U.S. Army Reserve requirements (June 2001)

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03/02

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SECTION 10522R

FIRE EXTINGUISHERS AND CABINETS

03/02

NOTE: This guide specification covers the requirements for fire extinguishers, cabinets and mail boxes that are located on the interior of facilities. This guide specification is to be used in the preparation of project specifications. Contact the Louisville District with revisions that are needed to this specification.

RST-10522 is a Louisville District Army Reserve Support Team (RST) guide specification.

PART 1 GENERAL

1.1 REFERENCES

NOTE: Issue (date) of references included in project specifications need not be more current than provided by the latest change (Notice) to this guide specification.

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI/NFPA 10

Portable Fire Extinguishers.

ANSI/UL 92

Fire Extinguisher and Booster Hose.

ANSI/UL 711

Rating and Fire Testing of Fire Extinguishers.

UNDERWRITERS LABORATORIES (UL)

UL 8	Foam Fire Extinguishers.
UL 154	Carbon Dioxide Fire Extinguishers.
UL 299	Dry Chemical Fire Extinguishers.
UL 626	2 1/2 Gallon Stored Pressure, Water Type Fire Extinguishers.
UL 1093	Halogenated Agent Fire Extinguishers.

1.2 SUBMITTALS

NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item should be required.

Indicate submittal classification in the blank space following the name of the item requiring the submittal by using "G" when the submittal requires Government approval. Submittals not classified as "G" will show on the submittal register as "Information Only". For submittals requiring Government approval, a code of up to three characters should be used following the "G" designation to indicate the approving authority; codes of "RE" for Resident Engineer approval, "ED" for Engineering approval, and "AE" for Architect-Engineer approval are recommended.

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Shop Drawings; FIO

Indicate cabinet physical dimensions, rough-in measurements for recessed cabinets, and location.

SD-03 Product Data

Fire Extinguisher Cabinet Product Data; FIO

Provide cabinet and extinguisher operational features, color and finish, and anchorage details.

Maintenance Data.; FIO

Include test, refill or recharge schedules and re-certification requirements.

NOTE: Vendor information that forms part of this guide specification is permissible to use as long as the salient features provide for "or equal" product equivalents are specified. Submittal clauses must be modified to make known that specific vendor information is being specified. If the Contractor chooses to provide the specified vendor's product, the submittal for that item is considered a For Information Only submittal. If the Contractor uses a different "or equal" item, then it will be evaluated against the salient features. Hence, it is considered for Government Approval (G).

Acceptable Manufacturer Products; FIO

Manufacturers products listed in this specification are referenced to establish a standard of quality. When the specific product listed is submitted by the Contractor, that submittal will be considered For Information Only. When an equal to that named in this specification is submitted, it shall be for Government Approval (G). The following manufacturer products are specifically mentioned in this specification:

Fire Extinguisher Cabinets (FEC)

FEC: J. L. Industries; FIO
4450 W. 78th St. Circle
Bloomington, MN 55435,
952-835-6850

FEC: Larsen's Manufacturing Company; FIO
7421 Commerce Lane N.E.
Minneapolis, MN
800-527-7367

FEC: Potler-Roemer; FIO
16833 Edwards Rd.,
Cerritos, CA 90701-2417
310-404-3753

FEC: Manuf. Product submitted as an "or equal"; G [____].

1.3 COORDINATION

Fire extinguishers shall also be provided. Fire extinguisher shall be 9.46 liter size minimum and shall meet NFPA 10 requirements. Coordinate size of cabinet and extinguisher. Coordinate installation of fire extinguishers prior to contract completion. Coordinate the exact location of cabinet with other work.

1.4 QUALITY ASSURANCE

Provide units conforming with ANSI/UL 711.

1.5 REGULATORY REQUIREMENTS

Conform to ANSI/NFPA 10 for requirements for extinguishers.

1.6 ENVIRONMENTAL REQUIREMENTS

Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.1 CABINETS

Designer to determine type of extinguisher, depth required and selection of trim.

2.1.1 Fire Extinguisher

Trimless recessed or semi-recessed steel cabinet with baked enamel finish. Steel door shall be red baked solid type, 30 gage with white silk screened words: "Fire Extinguisher" arranged vertically. Cabinet shall be sized to accommodate a 9.46 liter, pressurized water-type fire extinguisher.

2.1.1.1 Cabinet mounting hardware:

Shall be as standard with the manufacturer.

2.2 ACCESSORIES

Extinguisher Brackets: Formed steel, white enamel finish.

Cabinet Signage: Fire Extinguisher.

2.3 FABRICATION

Form cabinet enclosure with right angle inside corners and seams. Form perimeter trim and door stiles.

Pre-drill for anchors.

Hinge doors for 180 degree opening with continuous piano hinge. Provide nylon roller type catch.

Weld, fill, and grind components smooth.

2.4 FINISHES

Cabinet Exterior Trim and Door: Baked enamel, color as indicated.

Cabinet Interior: Baked enamel.

PART 3 EXECUTION

3.1 EXAMINATION

Verify rough openings for cabinet are correctly sized and located.

3.2 INSTALLATION

Install in accordance with manufacturer's instructions and drawings.

Install cabinets plumb and level in wall openings, located from finished floor as indicated.

Secure rigidly in place.

Position cabinet signage on door to cabinets.

-- End of Section --